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## Amendments to the Claims

Please amend the Claims as follows:

(Currently Amended) A low-inductance electromagnetic drive without driving a magnetic flux circuit, comprising:

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a magnetic pole;

a drive coil;

an upper magnetic inductive board;

a permanent-magnet;

a lower magnetic-inductive board, said magnetic pole being integrated with said lower magnetic-inductive lower board, said permanent magnet being located between said upper magnetic-inductive board and said lower magnetic-inductive board, wherein said drive coil at least partially surrounds said magnetic pole and is movable in an axial direction; and,

a first fastening coil with an inductance substantially equivalent to an inductance of said drive coil, wherein said first fastening coil is aligned in a position in said magnetic flux circuit and connected with said drive coil in opposite phase to receive the equivalent and opposite excitation; and,

said first fastening coil is located between drive coil and said magnetic pole, fixed to said magnetic pole, and connected with said drive coil by opposite phase to obtain the smallest inductance and equivalent excitation of opposite phase.

- 2. (Canceled).
- (Currently Amended). The electromagnetic drive of claim 1, wherein said first 3. fastening coil is fixed to said upper magnetic-inductive board, and connected with said drive coil by opposite phase to obtain the smallest inductance and the quantity equivalent excitation of opposite phase.
  - 4. (Canceled).
- (Currently Amended). A low-inductance The electromagnetic drive of claim 1, without driving magnetic flux circuit, further comprising:

a magnetic pole;

a drive coil;

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an upper magnetic-inductive board;

a-permanent magnet;

a lower-magnetic-inductive board integrally connected with said magnetic pole, wherein

said permanent magnet is positioned between-said upper magnetic-inductive board and said

lower-magnetic-inductive board, wherein said drive coil at least partially surrounds-said

magnetic pole and is removable in an axial direction; and,

a first fastening coil and a second fastening coil, wherein the total inductance quantity of

said first and second fastening coils is approximately equivalent to the inductance of said drive

coil, and wherein said first fastening coil and said second fastening coil are aligned in a position

in the magnetic flux circuit, and are connected with said drive coil in opposite phase to receive

the approximately the equivalent and opposite excitation of opposite phase.

6. (Previously Presented). The electromagnetic drive of claim  $\frac{5}{6}$ , wherein said first

fastening coil and second fastening coil are both fixed on the magnetic pole and are both

connected with said drive coil by opposite phase to obtain the smallest inductance quantity and

the equivalent excitation of opposite phase.

7. (Currently Amended). The electromagnetic drive of claim 5, wherein said first

fastening coil and said second fastening coil are fixed to the magnetic pole and upper magnetic-

inductive board respectively, and they are connected with said drive coil by opposite-phase to

obtain the smallest inductance quantity and the equivalent excitation of opposite phase.

8. (Canceled).

9. (Canceled).

10. (Previously Presented). The electromagnetic drive of claim 1, wherein said first

fastening coil is made of magnetic metal used for magnetic conducting.

11. (Canceled).

12. (Canceled).

13. (Canceled).

14. (Canceled).

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- 15. (Canceled).
- 16. (Canceled).
- 17. (Canceled).
- 18. (Canceled).
- 19. (Canceled).
- 20. (Canceled).